

## ABSTRACT

A connector includes multiple pairs of signal contacts arranged in a housing, and facilitates the wiring design and the wiring operation for substrates. The two signal contacts in each of the multiple pairs are arranged at a distance in the longitudinal direction of the housing. With this arrangement, excellent coupling can be established between the two signal contacts, and signals can be balanced-transmitted without causing a phase difference. Also, the lengths of each pair of wires of a wiring substrate to be connected to the multiple pairs of signal contacts can be easily made uniform. Accordingly, there is no need to prepare excessive wiring areas, and the substrate wiring design and the wiring operation can be simplified.